

S SAI SUPRAJA

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EDUCATION

Jawaharlal Nehru Technological University Anantapur (JNTUA) College of Engineering

Kalikiri, INDIA

Bachelor of Technology, Major in Electronics and Communications (CGPA: 8.44/10.0)

November 2020 - May2024

Narayana Junior College

Adoni, INDIA

Class XII, Major in Mathematics, Physics and Chemistry (CGPA: 9.88/10.0)

June 2018 - April2020

Kiddy's E-Techno High School

Adoni, INDIA

Class X (CGPA: 10.0/10.0)

June 2017 - March 2018

SKILLS SET

Languages: Python

Technologies: Basics of Machine Learning and Computer vision

Libraries: Numpy, Pandas

Web Development: HTML, CSS

Platforms: Visual Studio, GitHub

Other Skills: Excel, Microsoft Word, Power Point, SQL.

Personal Skills: Expert Attention to detail, Collaborative, Strong Rapport Building, Highly Organised, Initiative Driver, Adaptable and Agile, Empathetic Communication Style, Outstanding Resilience.

INTERNSHIP

INDIAN INSTITUTE OF TECHNOLOGY – IIT TIRUPATI

Yerpedu, INDIA

Intern (Intern in Machine Learning and Computer Vision)

January2024 - April 2024

- Contribute to the development of tools and frameworks to streamline the machine learning workflow, including data preprocessing, model training, and evaluation.
- Collaborate with senior research scholars to design and conduct experiments, analyze results, and iterate on model designs for performance improvement.
- Assist in integrating computer vision algorithms into real-world applications, such as robotics, autonomous vehicles, surveillance systems, or augmented reality.
- Leverage tools and libraries (e.g., OpenCV, MATLAB) to build efficient pipelines for image and video processing.

TCL (PANEL OPTODISPLAY TECHNOLOGY PRIVATE LIMITED)

Renigunta, INDIA

Intern

April2023 -June2023

- Streamlined system performance by implementing proactive monitoring tools, reducing technical issues by 40% and minimizing end-user downtime; conducted regular maintenance and troubleshooting to identify and resolve equipment malfunctions, ensuring optimal system functionality.
- Collaborated with cross-functional teams to deploy and configure new Hardware and software systems (MES & SAP logics), streamlining workflows and enhancing productivity.
- Trained and supported junior technicians, fostering a knowledge-sharing environment and enabling team members to successfully resolve complex technical problem for the yield improvement.

PROJECTS

SMART EDGE DETECTION FOR PRECISE WELDING

- Automatic welding system integrated with RaspberryPi , stepper motor and camera module for precise edge detection in welding .
- Developed an algorithms for real-time image analysis to extract and track the detected lines during the welding process.
- I have diversified my project by incorporating image stitching algorithms to seamlessly merge multiple overlapping images captured by camera module , providing a comprehensive view of the welding area for achieving precise and enhanced results.

MINI PROJECTS

IOT BASED AUTOMATIC PET FEEDER

- Worked on a feeder to help allocate dry food diet to small pets such as dogs and cats. It will be very useful whenever a pet owner is outside the residence and/or unable to feed his/her pets normally.

IOT BASED HOME AUTOMATION

- Worked on IoT-based home automation leverages smart devices and internet connectivity to enable remote control and monitoring of household appliances and systems. Components include sensors, actuators, connectivity protocols, central hubs, and user interfaces.

FACIAL EXPRESSION RECOGNITION

- Identifying and locating faces within images or video frames and locating specific facial features like eyes, nose, and mouth to accurately analyze facial expressions. Analyzing changes in facial muscles, texture, and landmark configurations to extract meaningful numerical representations.

CERTIFICATIONS

- PYTHON Certification By University of Michigan -Coursera
- HTML & CSS Certification-Udemy
- INTERNET OF THINGS Certification – NPTEL (IIT KHARAGPUR)

STRENGTHS

- Strong and effective communication skills
- Hard Working
- Planning and Coordination skills